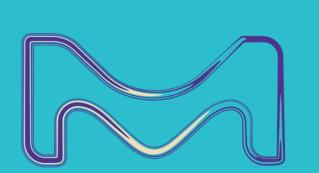
## Packaging Sustainability:

How patients' perspectives can accelerate the implementation

Kathrin Gallistl, Packaging Artwork Director Merck





We are a
VIBRANT
SCIENCE AND
TECHNOLOGY COMPANY





We have only a few decades to fundamentally change the ways in which we consume food, energy and other resources while addressing global inequity in health, education and living standards.

Belén Garijo

**Chair of the Executive Board and CEO of Merck** 



Scope 3 -Decarbonizing: Resource consumption reduction





### Waste recycling (example)

### Take-back programs are a way to enter the age of circular economy

Waste = resource

Industry consortia or stand-alone take-back programs **Example**: Take-back pilot of injector pens in Denmark – a multi-company industry consortia to be launched in Denmark





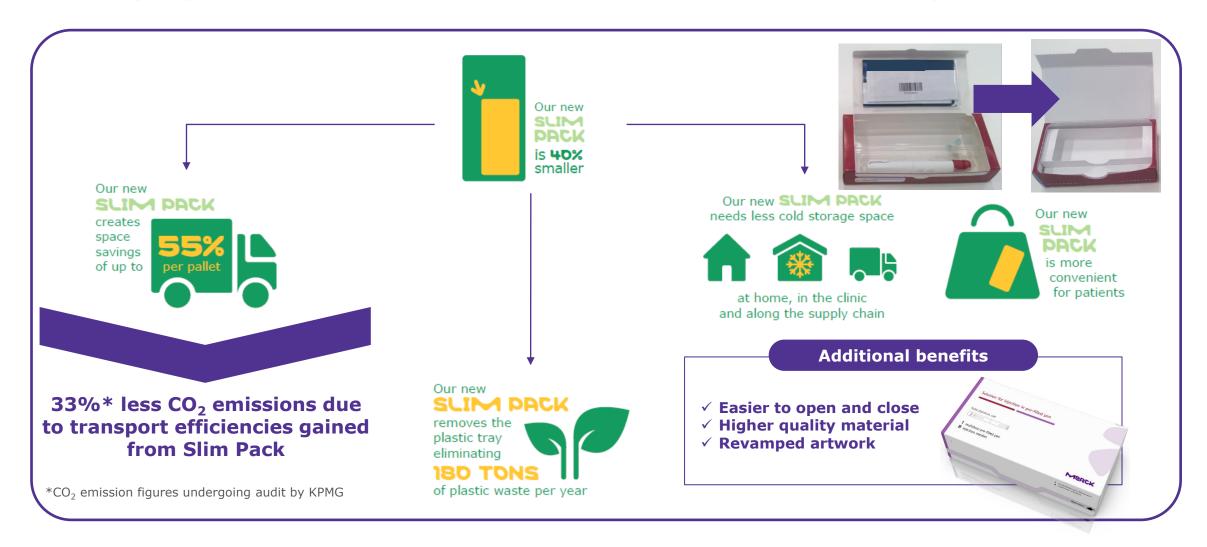
Introducing the world's first industry solution for recycling materials from medical devices

https://www.linkedin.com/feed/update/urn:li:activity:7056537338620858368?utmsource=share&utm\_medium=member\_desktop



### Waste reduction (example 1)

### Packaging optimization is an impactful approach with good return





### Waste Reduction (example 2)

### Challenge

- Material quality and booklet format over elaborated
- Multiple configurations create operational and compliance complexity
- Impractical layout for patients

PIL and IFU different format and size



### Solution

- Change Format & Material
- Harmonize Shape & Size
- Improve Usability







# From booklets to paper leaflet... What are the benefits?

#### **Act Sustainably**

WE DESIGN FOR THE FUTURE

-50\* tons/year

of **paper** shipped to Merck sites (inbound) and around the globe (outbound), thanks to the new **format** and **material** used.

-110\*

tons/year

CO<sub>2</sub> emissions equivalent to a reduction of 40% compared to current situation.

### Strengthen Operations WE DESIGN FOR OPERATIONS

-30%\*

No. SKU

of semi-finished products<sup>1</sup> as well as faster implementation of mass-changes and **more agile** value chain.

-100\*

artworks

to be managed and a **seamless switch of production** among sites, with artwork automation,
harmonization and merge configurations

<sup>1</sup> Semi-finished product is the combination of PIL+IFU as received by the Merck sites. Calculated in December-2022.

### Simplify & act with urgency WE DESIGN FOR THE BUSINESS



Expected continual **saving** thanks to the **switch from BOOKLET to LEAFLET format.** It mainly brings:

- Lower CoGs for leaflets
- Reduced scrap costs
- Reduced inventory

### Obsessed with patients WE DESIGN FOR PATIENTS

Improved patient experience

"State-of-the-art" format and layout, to better guide patients through use steps and facilitate reading.

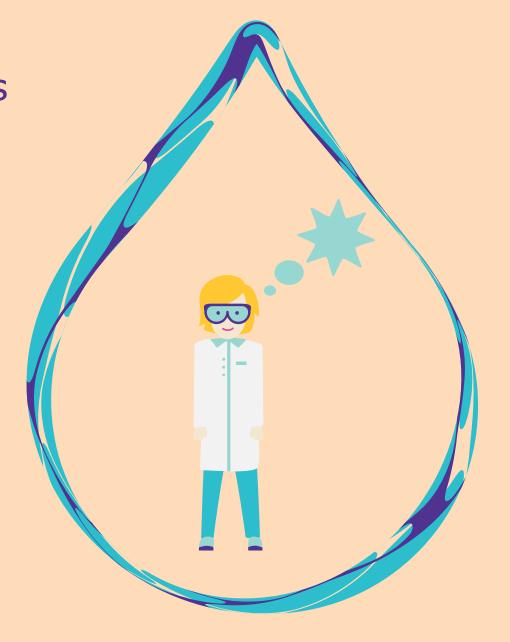
All information **at a glance**, and more convenient format with content only in the required language.



# How can patients' perspectives accelerate the implementation?

## Reflections

- 1. Sustainability initiatives are easy to implement when there is neutral or positive impact on the profitability
- 2. The wide range of initiatives partially require investments (equipment, room...)
- 3. Patient perspective on initiatives can help to prioritize the assessment on operations level
- 4. Tangible initiatives on packaging and pens seem to be perceived as most compelling by HCPs and patients
- 5. A "green label" could help to make the sustainability efforts of each product pack more visible
- 6. An equation for "green image" versus investments can support decision making process







# Thank you

Let's work together to create a sustainable future for everyone.

